

BUREAU OF WATER

Tank Diving Inspection and Cleaning Requirements

A Department permit is not required for making underwater inspections of clearwells, elevated tanks or other potable water storage facilities at this time. However, a representative of the system for which the work is being performed should send a letter of notification at least 10 days prior to the commencement of any work to:

Mr. Doug Kinard, P.E., Manager
Drinking Water and Recreational Waters Compliance Section
2600 Bull Street
Columbia, SC 29201-1708

Mr. Griff Cox, Environmental Engineer Associate
Domestic Waste Water Permitting Section
2600 Bull Street
Columbia, SC 29201-1708

and the appropriate Environmental Quality Control District Office. The letter of notification should include as a minimum the following information:

- ▶ Proposed date, approximate time, and location of work
- ▶ Standard Operating Procedure for the work that is to be done including the disinfection protocol which must be carried out in accordance to the applicable American Water Works Association standards. The diving equipment used must ensure that neither the diver nor his/her bodily fluids will contact the drinking water at any time. The disinfection procedures must include disinfection of the dive suit and each piece of equipment with chlorine solution prior to each entry into a drinking water reservoir. Equipment which has contacted wastewater, domestic or otherwise, may never be used where it may contact drinking water.
- ▶ Statement that all materials, including coatings, installed in a public water system which come into contact with drinking water will be certified as meeting the requirements of ANSI/NSF Standard 61, Drinking Water System Components - Health Effects.
- ▶ Statement that water system personnel or a designated representative will be on-site when diving is underway. The water system is ultimately responsible for ensuring that water quality is not adversely impacted during the inspection, cleaning, or repair process.
- ▶ A description of disposal methods for waste material.

- ▶ A description of the monitoring that the system will perform while the divers are in the finished water facilities. At a minimum the system must monitor finished water chlorine, pH, and turbidity hourly.
- ▶ Statement that the report of the findings and video will be maintained on file for review upon request.

The following conditions apply to the silt and sedimentation removal activity at the above referenced facility:

- ▶ The waste material must be applied using methods that suppress the chance of runoff occurring from the site. If storm water runoff and/or erosion become a problem at the site, the permittee may be required to use silt fencing, hay bales, or other erosion control measures to alleviate the situation prior to land application activities proceeding.
- ▶ Buffers zones around the application site must be established. Buffers of at least 100 feet have to be maintained along public roadways, around dwellings, or along property boundaries; intermittent streams, drainage ditches, and surface water bodies must have buffers of at least 200 feet.
- ▶ Waste material can not be applied during wet weather conditions.
- ▶ The permittee must take all reasonable steps to prevent or minimize discharge of debris, silt, sediment or the associated wash water not covered in this approval which may adversely affect human health or the environment.
- ▶ If proposed removal and disposal methods fails to adequately control odor or vector problems, then the plan must be amended to address these problems without affecting the preliminary steps.
- ▶ Prior to the discharge of sediment into a storm drain the material must be characterized to include analysis for total suspended solids, copper, zinc, and aluminum. These analyses must be submitted for the Department's review and approval at least 14 days prior to beginning work. If the "dirt bag unit" is used to capture sediment, the remaining water may discharged to a storm drain without prior approval.
- ▶ The Department must be contacted after the removal project is complete to summarize the effectiveness of the activities. If a site inspection is required at that time, it should be coordinated with the District EQC Office.
- ▶ If land application is proposed for Georgetown, Horry, Beaufort, Jasper, Charleston, Colleton, or Dorchester Counties, certification from the Ocean and Coastal Resources Management is required.
- ▶ SCDHEC reserves the right to revoke any part or all of this approval if these conditions are not met or if emergency conditions warrant.